Dell™ E178WFP Flat Panel Monitor User's Guide

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Notes, Notices, and Cautions

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type. These blocks are notes, notices, and cautions, and they are used as follows:

NOTE: A NOTE indicates important information that helps you make better use of your computer.

NOTICE: A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

CAUTION: A CAUTION indicates the potential for property damage, personal injury, or death.

Some warnings may appear in alternate formats and may be unaccompanied by an icon. In such cases, the specific presentation of the caution is mandated by regulatory authority.

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About Your Monitor

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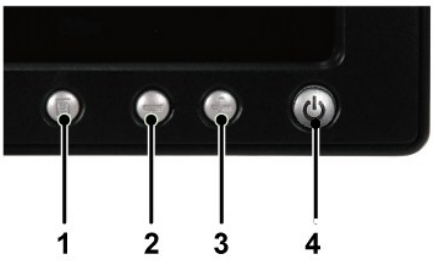
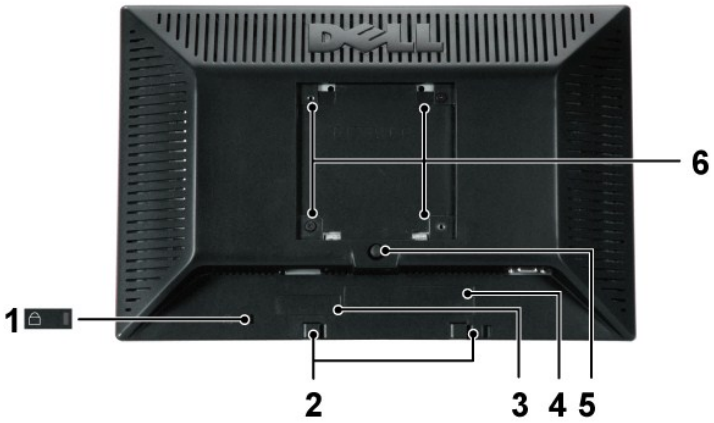
- Monitor Specifications
- LCD Monitor Quality & Pixel Policy
- Caring for your Monitor

Front View



1	Menu selection button
2	Brightness Contrast / Down(-) button
3	Auto-Adjust / Up(+) button
4	Power On/Off button with LED indicator

Back View



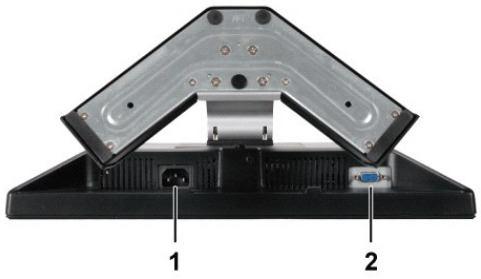
1	Security lock slot	Attach a lock to secure your monitor.
2	Dell Soundbar mounting brackets	Attach the optional Dell Soundbar.
3	Barcode serial number label	Refer to this label if you need to contact Dell for technical support.
4	Regulatory rating label	List the regulatory approvals.
5	Stand removal button	Press to release the stand.
6	VESA mounting holes (100mm - behind attached stand)	Use to mount monitor.
7	Cable holder	Help organize cables by passing them through the holder.

Side View

Right side

Left side

Bottom View



1	AC power cord connector
2	VGA connector

Monitor Specifications

General

Model number	E178WFP

Flat Panel

Screen type	Active matrix - TFT LCD
Screen dimensions	17 inches (17-inch diagonal viewable image size)
Preset display area:	
Horizontal	367.2 mm(14.46 inches)
Vertical	229.5 mm(9.04 inches)
Pixel pitch	0.255 mm x 0.255 mm
Viewing angle	Viewing angle 150° (vertical) typ, 160° (horizontal) typ(CR>10)
Luminance output	250 cd/m ²(typ)
Contrast ratio	600:1 (typ)
Faceplate coating	Anti-glare with hard-coating 3H
Backlight	2 CCFL backlight
Response Time	8 ms typical (Black to White)

Resolution

Horizontal scan range	30 kHz to 83 kHz (automatic)
Vertical scan range	50 Hz to 75 Hz
Optimal preset resolution	1440 x 900 at 60 Hz
Highest preset resolution	1440 x 900 at 60 Hz

Preset Display Modes

The following table lists the preset modes for which Dell guarantees image size and centering:

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (Horizontal/Vertical)
VGA, 720 x 400	31.5	70.1	28.3	-/+
VGA, 640 x 480	31.5	60.0	25.2	-/-
VESA, 640 x 480	37.5	75.0	31.5	-/-
VESA, 800 x 600	37.9	60.3	40.0	+/+
VESA, 800 x 600	46.9	75.0	49.5	-/+
VESA, 1024 x 768	48.4	60.0	65.0	-/-
VESA, 1024 x 768	60.0	75.0	78.8	+/+
VESA, 1152 x 864	67.5	75.0	108.0	+/+
VESA, 1280 x 1024	64.0	60.0	108.0	+/+
VESA, 1280 x 1024	80.0	75.0	135.0	+/+
VESA, 1440 x 900	55.935	60.0	106.5	-/+

Electrical

The following table lists the electrical specification:

Video input signals	Analog RGB: 0.7 Volts +/-5%, 75 ohm input impedance
Synchronization input signals	D-sub: Detachable, Analog, 15pin, shipped attached to the monitor
AC input voltage / frequency / current	100 to 240 VAC / 50-60 Hz / 1.5 A Max.
Inrush current	120V: 30A (Max.) 240V: 60A (Max.)

Physical Characteristics

The following table lists the physical characteristics:

Signal cable type	D-sub: Detachable, Analog, 15pin, blue connector, attached to the monitor
Dimensions (with stand):	
Height	339.0 mm (13.34 inches)
Width	403.9 mm (15.90 inches)
Depth	136.5 mm (5.37 inches)
Weight:	
Monitor (Stand and Head)	3.60 kg (7.93 lb)
Monitor Flat panel only (VESA Mode)	2.70 kg (5.95 lb)
Weight with packaging	4.85 kg (10.68 lb)

Environmental

The following table lists the environmental limitation:

Temperature:	
Operating	5° to 35 °C (41° to 95 °F)
Nonoperating	Storage: 0° to 60 °C (32° to 140 °F) Shipping: -20° to 60 °C (-4° to 140 °F)
Humidity:	
Operating	10% to 80% (noncondensing)
Nonoperating	5% to 90% (noncondensing)
Altitude:	
Operating	3,657.6 m (12,000 ft) max
Nonoperating	12,192 m (40,000 ft) max
Thermal dissipation	256.08 BTU/hour (maximum) 119.5 BTU/hour (typical)

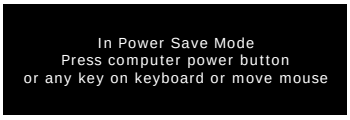
Power Management Modes

If you have VESA's DPMS compliance display card or software installed in your PC, the monitor automatically reduces its power consumption when not in use. This is referred to as Power Save Mode. If input from keyboard, mouse or other input devices is detected by the computer, the monitor automatically resumes

functioning. The following table shows the power consumption and signaling of this automatic power-saving feature:

Power Management Definition						
VESA's Mode	Video	H-sync	V-sync	Power Used	Power Saving	LED color
ON	Active	Yes	Yes	maximum 40W typical 34W	0%	Green
Power Saving	Blanked	No	Yes	<=2W	>80%	Amber
	Blanked	Yes	No>	<=2W	>80%	Amber
	Blanked	No	No	<=2W	>80%	Amber
Switch Off	Blanked	--	--	<=1W	>80%	Off

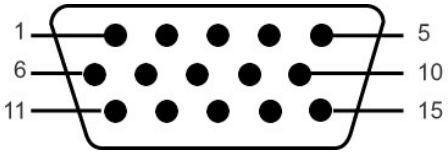
NOTE: The OSD functions only in the normal operation mode. Otherwise one of the following messages will appear depending upon the selected input.



Activate the computer and the monitor to gain access to the OSD.

Pin Assignments

VGA Connector



The following table shows pin assignments in the VGA connector:

Pin Number	15-pin Side of the Connected Signal Cable
1	Video-Red
2	Video-Green
3	Video-Blue
4	GND
5	Self-test
6	GND-R
7	GND-G
8	GND-B
9	Computer 5V/3.3V
10	GND-sync
11	GND
12	DDC data
13	H-sync
14	V-sync
15	DDC clock

Plug and Play Capability

You can install the monitor in any Plug and Play-compatible system. The monitor automatically provides the computer system with its Extended Display Identification Data (EDID) using Display Data Channel (DDC) protocols so the system can configure itself and optimize the monitor settings. Most monitor installations are automatic; you can select different settings, if required.

LCD Monitor Quality & Pixel Policy

During the LCD Monitor manufacturing process, it is not uncommon for one or more pixels to become fixed in an unchanging state. The visible result is a fixed pixel that appears as an extremely tiny dark or bright discolored spot.
In almost every case, these fixed pixels are hard to see and do not detract from display quality or usability. A display with 1 to 5 fixed pixels is considered normal and within competitive standards. For more information, see Dell Support site at: support.dell.com.

Caring for your Monitor

CAUTION: Read and follow the Safety Instruction before cleaning the monitor.

CAUTION: Before cleaning the monitor, unplug the monitor from the electrical outlet.

- To clean your antistatic screen, slightly dampen a soft, clean cloth with water. If possible, use a special screen-cleaning tissue or solution suitable for the antistatic coating. Do not use benzene, thinner, ammonia, abrasive cleaners, or compressed air.
- Use a slightly-dampened, warm cloth to clean the plastics. Avoid using detergent of any kind as some detergents leave a milky film on the plastics.
- If you notice a white powder when you unpack your monitor, wipe it off with a cloth. This white powder occurs during the shipping of the monitor.
- Handle your monitor with care as darker-colored plastics may scratch and show white scuff marks more than lighter-colored monitor.
- To help maintain the best image quality on your monitor, use a dynamically changing screen saver and power off your monitor when not in use.

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Appendix

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- FCC Notice (U.S. Only)
- CAUTION: Safety Instruction
- Contacting Dell
- Your Monitor Set-up Guide

FCC Notice (U.S. Only) and Other Regulatory Information

For FCC Notice and other regulatory information, see the regulatory compliance website located at www.dell.com\regulatory_compliance.

CAUTION: Safety Instructions

For information on safety instructions, refer to your *Product Information Guide*.

Contacting Dell

You can contact Dell through the Internet and by phone:

- For support through the web, go to **support.dell.com**.
- For worldwide support through the web, use the **Choose A Country/Region** menu near the bottom of the page, or see the web addresses listed in the following table.
- For support by e-mail, see the e-mail addresses listed in the following table.

NOTE: Toll-free numbers are for use within the country for which they are listed.

NOTE: In certain countries, support specific to Dell™ XPS™ computers is available at a separate telephone number listed for participating countries. If you do not see a telephone number listed that is specific for XPS computers, you may contact Dell through the support number listed and your call will be routed appropriately.

- For support by phone, use the phone numbers and codes provided in the following table. If you need assistance in determining which codes to use, contact a local or an international operator.

NOTE: The contact information provided was deemed correct at the time that this document went to print and is subject to change.

Country (City) **International Access Code Country Code** **City Code**	**Service Type**	**Area Codes,** **Local Numbers, and** **Toll-Free Numbers** **Web and E-mail Address**
Anguilla	Online Support E-mail Address	**support.dell.com/ai** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**toll free: 800-335-0031**
Antigua and Barbuda	Online Support	**www.dell.com/ag** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**1-800-805-5924**
Aomen Country Code: *853*	*Technical Support*	**toll-free: 0800-105**
	Customer Service (Xiamen, China)	**34 160 910**
	Transaction Sales (Xiamen, China)	**29 693 115**
Argentina (Buenos Aires) International Access Code: *00*	Online Support	**www.dell.com/ar**
	E-mail for Desktops and Portables	**la-techsupport@dell.com**
	E-mail for Servers and EMC ® Storage Products	**la_enterprise@dell.com**
	Customer Service	**toll-free: 0-800-666-0789**

Country Code: *54* City Code: *11*	Technical Support	**toll-free: 0-800-222-0154**
		or toll-free: 0-800-444-0724
	Sales	**toll-free: 0-800-666-0789**
Aruba	Online Support	***www.dell.com/aw*** **la-techsupport@dell.com**
	Technical Support	**toll-free: 800-1727**
	Customer Service and Sales	**toll-free: 800-1729**
Australia (Sydney) International Access Code: *0011* Country Code: *61* City Code: *2*	Online Support	**support.ap.dell.com** **support.ap.dell.com/contactus**
	Technical Support	
	Technical Support for XPS computers only	**toll-free: 1300 790 877**
	Home and Home Office	**toll-free: 1300-655-533**
	Medium and Large Business	**toll-free: 1800-633-559**
	Small Business, Education, Local Government	**toll-free: 1800-060-889**
	Customer Service	
	Home and Home Office	**toll-free: 1800-812-393 (option 3)**
	Medium and Large Business, Education, Local Government	**toll-free: 1300-303-270 (option 3)**
	24-Hour Automated Order Status Service	**toll-free: 1300-662-196**
Austria (Vienna) International Access Code: *900* Country Code: *43* City Code: *1*	• The phone numbers in this section should be called from within Austria only.	
	Online Support	***support.euro.dell.com*** **tech_support_central_europe@dell.com**
	Technical Support for XPS computers only	**08 20 24 05 30 81**
	Large Business Support	**08 20 24 05 30 55**
	Technical Support at Home	**08 20 24 05 30 92**
	Home/Small Business Sales	**08 20 24 05 30 00**
	Home/Small Business Fax	**08 20 24 05 30 49**
	Home/Small Business Customer Service	**08 20 24 05 30 14**
	Home/Small Business Support	**08 20 24 05 30 17**
	Preferred Accounts/Corporate Customer Service	**08 20 24 05 30 16**
	Preferred Accounts/Corporate Support	**08 20 24 05 30 17**
	Switchboard	**08 20 24 05 30 00**
Bahamas	Online Support	***www.dell.com/bs*** **la-techsupport@dell.com**
	Technical Support	**toll-free: 1-866-874-3038**
	Customer Service and Sales	**toll-free: 1-866-296-9683**
Barbados	Online Support	**www.dell.com/bb** **la-techsupport@dell.com**
	Technical Support	**1-800-534-3349**

	Customer Service and Sales	**1-800-534-3142**
Belgium (Brussels) International Access Code: *00* Country Code: *32* City Code: *2*	Online Support	***support.euro.dell.com***
	Technical Support for XPS computers only	**02 481 92 96**
	General Support	**02 481 92 88**
	General Support Fax	**02 481 92 95**
	Customer Service	**02 713 15 65**
	Corporate Sales	**02 481 91 00**
	Fax	**02 481 92 99**
	Switchboard	**02 481 91 00**
Belize	Online Support	**www.dell.com/bz** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**811-866-686-9880** **or (512) 723-0010**
Bermuda	Online Support	**www.dell.com/bm** **la-techsupport@dell.com**
	Technical Support	**1-877-890-0748**
	Customer Service and Sales	**1-877-890-0751**
Bolivia	Online Support	**www.dell.com/bo** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**toll-free: 800-10-0238** **or EEUU (512) 723-0010**
Brazil International Access Code: *00* Country Code: *55* City Code: *51*	Online Support	***www.dell.com/br*** **BR_TechSupport@dell.com**
	Technical Support	**0800 970 3355**
	Technical Support Fax	**51 2104 5470**
	Customer Service Fax	**51 2104 5480**
	Sales	**0800 970 3390**
British Virgin Islands	Online Support	**www.dell.com/vg** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**toll-free: 1-866-278-6820** **or (512) 723-0010**
Brunei Country Code: *673*	Technical Support (Penang, Malaysia)	**604 633 4966**
	Customer Service (Penang, Malaysia)	**604 633 3101** **or toll-free: 801 1012**
	24-Hour Automated Order Status Service	**toll-free: 801 1044**
	Transaction Sales (Penang, Malaysia)	**604 633 3101** **or toll-free: 801 1012**
	Online Order Status	***www.dell.ca/ostatus***
	Online Support	**support.ca.dell.com**
	AutoTech (automated Hardware and Warranty Support)	**toll-free: 1-800-247-9362**

Canada (North York, Ontario) International Access Code: *011*	Customer Service	
	Home/Home Office	**toll-free: 1-800-847-4096**
	Small Business	**toll-free: 1-800-906-3355**
	Medium/Large Business, Government, Education	**toll-free: 1-800-387-5757**
	Hardware Warranty Phone Support	
	XPS Computers Only	**toll-free: 1-866-398-8977**
	Computers for Home/Home Office	**toll-free: 1-800-847-4096**
	Computers for Small/Medium/Large Business, Government	**toll-free: 1-800-387-5757**
	Printers, Projectors, Televisions, Handheld, Digital Jukebox, and Wireless	**1-877-335-5767**
	Sales	
	Home and Home Office Sales	**toll-free: 1-800-999-3355**
	Small Business	**toll-free: 1-800-387-5752**
	Medium/Large Business, Government	**toll-free: 1-800-387-5755**
	Spare Parts and Extended Service	**1 866 440 3355**
Cayman Islands	Online Support	***www.dell.com/ky*** **la-techsupport@dell.com**
	Technical Support	**1-877-261-0242**
	Customer Service and Sales	**1-877-262-5415**
Chile (Santiago) Country Code: *56* City Code: *2*	Online Support	***www.dell.com/cl*** **la-techsupport@dell.com**
	Technical Support	**toll-free: 800-20-20-44 (CTC)** **or 123-00-20-37-62 (ENTEL)**
	Sales and Customer Support	**toll-free: 800-20-20-44 (CTC)** **or 123-00-20-34-77 (ENTEL)**
China (Xiamen) Country Code: *86* City Code: *592*	Online Support	***support.dell.com.cn***
	Technical Support E-mail	**support.dell.com.cn/email**
	Customer Service E-mail	**customer_cn@dell.com**
	Technical Support Fax	**592 818 1350**
	Technical Support - XPS computers only	**toll-free: 800 858 0540**
	Technical Support - Dell? Dimension? and Dell Inspiron?	**toll-free: 800 858 2969**
	Technical Support - Dell OptiPlex?, Dell Latitude?, and Dell Precision?	**toll-free: 800 858 0950**
	Technical Support - Dell PowerEdge? and Dell PowerVault?	**toll-free: 800 858 0960**
	Technical Support - Projectors, PDAs, Switches, Routers, etc.	**toll-free: 800 858 2920**
	Technical Support - Printers	**toll-free: 800 858 2311**
	Customer Service	**toll-free: 800 858 2060**
	Customer Service Fax	**592 818 1308**
	Home and Small Business	**toll-free: 800 858 2222**
	Preferred Accounts Division	**toll-free: 800 858 2557**
	Large Corporate Accounts GCP	**toll-free: 800 858 2055**

	Large Corporate Accounts Key Accounts	**toll-free: 800 858 2628**
	Large Corporate Accounts North	**toll-free: 800 858 2999**
	Large Corporate Accounts North Government and Education	**toll-free: 800 858 2955**
	Large Corporate Accounts East	**toll-free: 800 858 2020**
	Large Corporate Accounts East Government and Education	**toll-free: 800 858 2669**
	Large Corporate Accounts Queue Team	**toll-free: 800 858 2572**
	Large Corporate Accounts South	**toll-free: 800 858 2355**
	Large Corporate Accounts West	**toll-free: 800 858 2811**
	Large Corporate Accounts Spare Parts	**toll-free: 800 858 2621**
Colombia	Online Support	***www.dell.com/co*** **la-techsupport@dell.com**
	Technical Support	**01-800-915-5704**
	Customer Service and Sales	**01-800-915-4755**
	Spare Parts, Software, Peripherals and Warranty Sales	**toll free: 01-800-915-6158**
	Ink and Toner Sales	**toll free: 01-800-915-5676**
Costa Rica	Online Support	***www.dell.com/cr*** **la-techsupport@dell.com**
	Technical Support	**0800-012-0232**
	Customer Service and Sales	**0800-012-0231**
Czech Republic (Prague) International Access Code: *00* Country Code: *420*	Online Support	***support.euro.dell.com*** **czech_dell@dell.com**
	Technical Support	**22537 2727**
	Customer Service	**22537 2707**
	Fax	**22537 2714**
	Technical Fax	**22537 2728**
	Switchboard	**22537 2711**
Denmark (Copenhagen) International Access Code: *00* Country Code: *45*	Online Support	***support.euro.dell.com***
	Technical Support for XPS computers only	**7010 0074**
	Technical Support	**7023 0182**
	Customer Service - Relational	**7023 0184**
	Home/Small Business Customer Service	**3287 5505**
	Switchboard - Relational	**3287 1200**
	Switchboard Fax - Relational	**3287 1201**
	Switchboard - Home/Small Business	**3287 5000**
	Switchboard Fax - Home/Small Business	**3287 5001**
Dominica	Online Support	***www.dell.com/dm*** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**toll-free: 1-866-278-6821** **or (512) 723-0010**

Dominican Republic	Online Support	***www.dell.com/do*** **la-techsupport@dell.com**
	Technical Support	**1-800-156-1834**
	Customer Service and Sales	**1-800-156-1588**
Ecuador (calling from Quito and Guayaquil only)	Online Support	***www.dell.com/ec*** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales (calling from Quito)	**toll-free: 999-119-877-655-3355** **or EEUU (512) 723-0020**
	Technical Support, Customer Service, Sales (calling from Guayaquil)	**toll-free: 1-800-999-119-877-655-3355**
El Salvador	Online Support	***www.dell.com/sv*** **la-techsupport@dell.com**
	Technical Support	**toll free: 800-6100 (ANTEL)** **or 800-6170 (Telefonica)**
	Customer Service and Sales	**toll free: 800-6100 (ANTEL)** **or 800-6132 (Telefonica)**
Finland (Helsinki) International Access Code: *990* Country Code: *358* City Code: *9*	Online Support	***support.euro.dell.com*** **fi_support@dell.com**
	Technical Support	**0207 533 555**
	Customer Service	**0207 533 538**
	Switchboard	**0207 533 533**
	Fax	**0207 533 530**
	Sales under 500 employees	**0207 533 540**
	Sales over 500 employees	**0207 533 533**
France (Paris) (Montpellier) International Access Code: *00* Country Code: *33* City Codes: *(1) (4)*	Online Support	***support.euro.dell.com***
	Technical Support for XPS computers only	**0825 387 129**
	Home and Small Business	
	Technical Support	**0825 387 270**
	Customer Service	**0825 823 833**
	Switchboard	**0825 004 700**
	Switchboard (calls from outside of France)	**04 99 75 40 00**
	Sales	**0825 004 700**
	Fax	**0825 004 701**
	Fax (calls from outside of France)	**04 99 75 40 01**
	Corporate	
	Technical Support	**0825 004 719**
	Customer Service	**0825 338 339**
	Switchboard	**01 55 94 71 00**
	Sales	**01 55 94 71 00**
	Fax	**01 55 94 71 01**
		support.euro.dell.com

Germany (Frankfurt) International Access Code: *00* Country Code: *49* City Code: *69*	Online Support	**tech_support_central_europe@dell.com**
	Technical Support for XPS computers only	**069 9792 7222**
	Technical Support	**069 9792-7200**
	Technical Support at Home	**069 9792-7230**
	Home/Small Business Customer Service	**0180-5-224400**
	Global Segment Customer Service	**069 9792-7320**
	Preferred Accounts Customer Service	**069 9792-7320**
	Large Accounts Customer Service	**069 9792-7320**
	Public Accounts Customer Service	**069 9792-7320**
	Switchboard	**069 9792-7000**
Greece International Access Code: 00 Country Code: 30	Online Support	***support.euro.dell.com***
	Technical Support	**00800-44 14 95 18**
	Gold Service Technical Support	**2108129811**
	Switchboard	**2108129810**
	Gold Service Switchboard	**2108129811**
	Sales	**2108129800**
	Fax	**2108129812**
Grenada	Online Support	**www.dell.com/gd** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**toll-free: 1-866-540-3355**
Guatemala	Online Support	**www.dell.com/gt** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**1-800-999-0136**
Guyana	Online Support	**la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**toll-free: 1-877-440-6511**
Haiti	Online Support	**www.dell.com/ht** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**toll free: 183-866-686-9849** **or (512) 723-0010**
Honduras	Online Support	**www.dell.com/hn** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**toll free: 800-0123-866-686-9848** **or EEUU (512) 723-0020**
Hong Kong	Online Support	**support.ap.dell.com** ***support.ap.dell.com*** **/contactus**
	Technical Support - XPS computers only	**00852-3416 6923**
	Technical Support - Dimension and Inspiron	**00852-2969 3188**
	Technical Support - OptiPlex, Latitude, and Dell Precision	**00852-2969 3191**
	Technical Support - Servers and Storage	**00852-2969 3196**

International Access Code: *001* Country Code: *852*	Technical Support - Projectors, PDAs, Switches, Routers, etc.	**00852-3416 0906**
	Customer Service	**00852-3416 0910**
	Large Corporate Accounts	**00852-3416 0907**
	Global Customer Programs	**00852-3416 0908**
	Medium Business Division	**00852-3416 0912**
	Home and Small Business Division	**00852-2969 3105**
India	Online Support	**support.ap.dell.com**
	Portable and Desktop Support	
	Portables, Desktop, and Peripherals E-mail	**support.ap.dell.com/ap/en/emaildell**
	Portable Support E-mail	**india_support_notebook@dell.com**
	Phone Numbers	**080-25068032 or 080-25068034 or your city STD code + 60003355 or toll-free: 1-800-425-9046**
	Server Support	
	E-mail	**india_support_server@dell.com**
	Phone Numbers	**080-25068032 or 080-25068034 or your city STD code + 60003355 or toll-free: 1-800-425-8045**
	Gold Support Only	
	E-mail	**eec_ap@dell.com**
	Phone Numbers	**080-25068033 or your city STD code + 60003355 or toll-free: 1-800-425-9045**
	XPS Support Only	
	E-mail	**Indiaxps_AP@dell.com**
	Phone Numbers	**080-25068066 or toll-free: 1-800-425-2066**
	Customer Service	
	Home and Small Business	**India_care_HSB@dell.com** **toll-free: 1800-4254051**
	Large Corporate Accounts	**India_care_REL@dell.com** **toll-free: 1800-4252067**
	Sales	
	Large Corporate Accounts	**1600 33 8044**
	Home and Small Business	**1600 33 8046**
	Online Support	***support.euro.dell.com*** **dell_direct_support@dell.com**
	Technical Support	
	XPS computers only	**1850 200 722**
	Business computers	**1850 543 543**
	Home computers	**1850 543 543**
	At Home Support	**1850 200 889**
	Sales	

Ireland (Cherrywood) International Access Code: *00* Country Code: *353* City Code: *1*	Home	**1850 333 200**
	Small Business	**1850 664 656**
	Medium Business	**1850 200 646**
	Large Business	**1850 200 646**
	Sales E-mail	**Dell_IRL_Outlet@dell.com**
	Customer Service	
	Home and Small Business	**01 204 4014**
	Business (greater than 200 employees)	**1850 200 982**
	General	
	Fax/Sales Fax	**01 204 0103**
	Switchboard	**01 204 4444**
	U.K. Customer Service (dial within U.K. only)	**0870 906 0010**
	Corporate Customer Service (dial within U.K. only)	**0870 907 4499**
	U.K. Sales (dial within U.K. only)	**0870 907 4000**
Italy (Milan) International Access Code: *00* Country Code: *39* City Code: *02*	Online Support	***support.euro.dell.com***
	Home and Small Business	
	Technical Support	**02 577 826 90**
	Customer Service	**02 696 821 14**
	Fax	**02 696 821 13**
	Switchboard	**02 696 821 12**
	Corporate	
	Technical Support	**02 577 826 90**
	Customer Service	**02 577 825 55**
	Fax	**02 575 035 30**
	Switchboard	**02 577 821**
Jamaica (dial from within Jamaica only)	Online Support	**www.dell.com/jm** **la-techsupport@dell.com**
	Technical Support	**toll free: 1-800-975-1646**
	Customer Service and Sales	**toll free: 1-800-404-9205**
	Online Support	***support.jp.dell.com***
	Technical Support - XPS computers only	**toll-free: 0120-937-786**
	Technical Support outside of Japan - XPS computers only	**81-44-520-1235**
	Technical Support - Dimension and Inspiron	**toll-free: 0120-198-226**
	Technical Support outside of Japan - Dimension and Inspiron	**81-44-520-1435**
	Technical Support - Dell Precision, OptiPlex, and Latitude	**toll-free: 0120-198-433**
	Technical Support outside of Japan - Dell Precision, OptiPlex, and Latitude	**81-44-556-3894**
	Technical Support - Dell PowerApp, Dell PowerEdge, Dell PowerConnect, and Dell PowerVault	**toll-free: 0120-198-498**
	Technical Support outside of Japan - PowerApp, PowerEdge, PowerConnect, and PowerVault	**81-44-556-4162**

Japan (Kawasaki) International Access Code: *001* Country Code: *81* City Code: *44*	Technical Support - Projectors, PDAs, Printers, Routers	**toll-free: 0120-981-690**
	Technical Support outside of Japan - Projectors, PDAs, Printers, Routers	**81-44-556-3468**
	Faxbox Service	**044-556-3490**
	24-Hour Automated Order Status Service	**044-556-3801**
	Customer Care	**044-556-4240**
	Business Sales Division - up to 400 employees	**044-556-3344**
	Preferred Accounts Division Sales - over 400 employees	**044-556-3433**
	Public Sales - government agencies, educational institutions, and medical institutions	**044-556-5963**
	Global Segment Japan	**044-556-3469**
	Individual User	**044-556-1657**
	Individual User Online Sales	**044-556-2203**
	Individual User Real Site Sales	**044-556-4649**
	Switchboard	**044-556-4300**
Korea (Seoul) International Access Code: *001* Country Code: *82* City Code: *2*	Online Support	**support.ap.dell.com**
	Technical Support for XPS computers only	**toll-free: 080-999-0283**
	Technical Support	**toll-free: 080-200-3800**
	Customer Service	**toll-free: 080-999-0270**
	Technical Support - Dimension, PDA, Electronics, and Accessories	**toll-free: 080-200-3801**
	Sales	**toll-free: 080-200-3600**
	Fax	**2194-6202**
	Switchboard	**2194-6000**
Latin America	Customer Technical Support (Austin, Texas, U.S.A.)	**512 728-4093**
	Customer Service (Austin, Texas, U.S.A.)	**512 728-3619**
	Fax (Technical Support and Customer Service) (Austin, Texas, U.S.A.)	**512 728-3883**
	Sales (Austin, Texas, U.S.A.)	**512 728-4397**
	Sales Fax (Austin, Texas, U.S.A.)	**512 728-4600** **or 512 728-3772**
Luxembourg International Access Code: *00* Country Code: *352*	Online Support	***support.euro.dell.com***
	Support	**342 08 08 075**
	Home/Small Business Sales	**+32 (0)2 713 15 96**
	Corporate Sales	**26 25 77 81**
	Customer Service	**+32 (0)2 481 91 19**
	Fax	**26 25 77 82**
Malaysia (Penang) International Access Code: *00*	Online Support	***support.ap.dell.com***
	Technical Support - XPS computers only	**toll-free: 1 800 885 784**
	Technical Support - Dell Precision, OptiPlex, and Latitude	**toll-free: 1 800 880 193**
	Technical Support - Dimension, Inspiron, and Electronics and Accessories	**toll-free: 1 800 881 306**
	Technical Support - PowerApp, PowerEdge,	**toll-free: 1800 881 386**

Country Code: *60* City Code: *4*	PowerConnect, and PowerVault	
	Customer Service	**toll-free: 1800 881 306 (option 4)**
	24-Hour Automated Order Status Service	**1 800 88 4432**
	Transaction Sales	**toll-free: 1 800 888 202**
	Corporate Sales	**toll-free: 1 800 888 213**
Mexico International Access Code: *00* Country Code: *52*	Online Support	**www.dell.com/mx** **la-techsupport@dell.com**
	Technical Support	**001-866-563-4425**
	Sales	**50-81-8800** **or 001-800-888-3355**
	Customer Service	**001-877-384-8979** **or 001-877-269-3383**
	Spare Parts, Software, Peripherals and Warranty Sales	**001-866-390-4629**
	Ink and Toner Sales	**toll free 001-866-851-1754**
	Main	**50-81-8800** **or 001-800-888-3355** **or 001-866-851-1754**
Montserrat	Online Support	***support.dell.com.ag*** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**toll-free: 1-866-278-6822**
Netherlands Antilles	Online Support	**www.dell.com/an** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**toll free: 001-866-379-1022**
Netherlands (Amsterdam) International Access Code: *00* Country Code: *31* City Code: *20*	Online Support	***support.euro.dell.com***
	Technical Support for XPS computers only	**020 674 45 94**
	Technical Support	**020 674 45 00**
	Technical Support Fax	**020 674 47 66**
	Home/Small Business Customer Service	**020 674 42 00**
	Relational Customer Service	**020 674 4325**
	Home/Small Business Sales	**020 674 55 00**
	Relational Sales	**020 674 50 00**
	Home/Small Business Sales Fax	**020 674 47 75**
	Relational Sales Fax	**020 674 47 50**
	Switchboard	**020 674 50 00**
	Switchboard Fax	**020 674 47 50**
	Online Support	***support.ap.dell.com*** **support.ap.dell.com/contactus**
	Technical Support Home and Home Office Business, Education, and Government	**toll-free: 0800-441-567** **toll-free: 0800-446-255** **toll-free: 0800-444-617** **toll-free: 0800-443-563**

New Zealand International Access Code: *00* Country Code: *64*	PowerEdge and PowerVault Technical Support for XPS computers only	**toll-free: 0800-335-540**
	Customer Service Home and Small Business Business, Education, and Government 24-Hour Automated Order Status Service	**toll-free: 0800-289-3355 (option 3)** **toll-free: 0800-941-128 (option 3)** **toll-free: 0800-449-602**
	Sales Home and Home Office Small Business Business, Education, and Government	**toll-free: 0800 441 567** **toll-free: 0800-289-3355** **toll-free: 0800-941-121** **toll-free: 0800-941-128**
Nicaragua	Online Support	**www.dell.com/ni** **la-techsupport@dell.com**
	Technical Support	**toll free: 001-800-220-1378**
	Customer Service and Sales	**toll free: 001-800-220-1377**
Norway (Lysaker) International Access Code: *00* Country Code: *47*	Online Support	***support.euro.dell.com***
	Technical Support for XPS computers only	**815 35 043**
	Technical Support	**671 16882**
	Relational Customer Service	**671 17575**
	Home/Small Business Customer Service	**23162298**
	Switchboard	**671 16800**
	Fax Switchboard	**671 16865**
Panama	Online Support	**www.dell.com/pa** **la-techsupport@dell.com**
	Technical Support	**toll free: 001-800-507-1385 (C&W)** **or 001-866-633-4097 (Clarocom)**
	Customer Service, Sales	**toll free: 001-800-507-1264 (C&W)** **or 001-866-422-7964 (Clarocom and Movistar)** **or 001-800-507-1786 (TC)**
Paraguay (Asuncion only)	Online Support	**www.dell.com/py** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**dial 008-11-800, then have the operator** **dial 866-686-9848** **or EEUU (512) 723-0020**
Peru	Online Support	**www.dell.com/pe** **la-techsupport@dell.com**
	Technical Support	**0800-50-869**
	Customer Service and Sales	**0800-50-669**
Poland (Warsaw) International Access Code: *011*	Online Support	***support.euro.dell.com*** **pl_support_tech@dell.com**
	Customer Service Phone	**57 95 700**
	Customer Service	**57 95 999**

Country Code: *48* City Code: *22*	Sales	**57 95 999**
	Customer Service Fax	**57 95 806**
	Reception Desk Fax	**57 95 998**
	Switchboard	**57 95 999**
Portugal International Access Code: *00* Country Code: *351*	Online Support	***support.euro.dell.com***
	Technical Support	**707200149**
	Customer Service	**800 300 413**
	Sales	**800 300 410 or 800 300 411 or 800 300 412 or 21 422 07 10**
	Fax	**21 424 01 12**
Puerto Rico	Online Support	**www.dell.com/pr** **la-techsupport@dell.com**
	Technical Support	**toll-free: 1-866-390-4695**
	Spare Parts, Software, Peripherals and Warranty Sales	**toll-free: 1-866-390-4691**
	Ink and Toner Sales	**toll-free: 1-866-851-1760**
	Customer Service and Sales	**1-877-537-3355**
St. Kitts and Nevis	Online Support	***www.dell.com/kn*** **la-techsupport@dell.com**
	Technical Support	**toll-free: 1-877-441-4734**
	Customer Service and Sales	**toll-free: 1-866-540-3355**
St. Lucia	Online Support	***www.dell.com/lc*** **la-techsupport@dell.com**
	Technical Support	**toll-free: 1-866-745-1850** **or 1-866-464-4352**
	Customer Service and Sales	**toll-free: 1-866-540-3355**
St. Vincent and the Grenadines	Online Support	***www.dell.com/vc*** **la-techsupport@dell.com**
	Technical Support	**toll-free: 1-866-464-4353**
	Customer Service and Sales	**toll-free: 1-866-540-3355**
Singapore (Singapore) International Access Code: *005* Country Code: *65*	• The phone numbers in this section should be called from within Singapore or Malaysia only.	
	Online Support	***support.ap.dell.com***
	Technical Support	
	XPS computers only	**toll-free: 1 800 394 7464**
	Dimension, Inspiron, and Electronics and Accessories	**toll-free: 1 800 394 7430**
	OptiPlex, Latitude, and Dell Precision	**toll-free: 1 800 394 7488**
	PowerApp, PowerEdge, PowerConnect, and PowerVault	**toll-free: 1 800 394 7478**
	Customer Service	**toll-free: 1 800 394 7430 (option 4)**
	24-Hour Automated Order Status Service	**toll-free: 1 800 394 7476**
	Sales	

	Transaction Sales	**toll-free: 1 800 394 7412**
	Corporate Sales	**toll-free: 1 800 394 7419**
Slovakia (Prague) International Access Code: *00* Country Code: *421*	Online Support	***support.euro.dell.com*** **czech_dell@dell.com**
	Technical Support	**02 5750 8303**
	Enterprise GOLD	**02 5750 8308**
	Business Support	**02 5750 8301**
	Customer Service	**420 22537 2707**
	Fax	**02 5441 8328**
	Tech Fax	**02 5441 8328**
	Switchboard (Sales)	**02 5441 7585**
South Africa (Johannesburg) International Access Code: *09/091* Country Code: *27* City Code: *11*	Online Support	***support.euro.dell.com*** **dell_za_support@dell.com**
	Gold Queue	**011 709 7713**
	Technical Support	**011 709 7710**
	Customer Service	**011 709 7707**
	Sales	**011 709 7700**
	Fax	**011 706 0495**
	Switchboard	**011 709 7700**
Southeast Asian and Pacific Countries	Technical Support, Customer Service, and Sales (Penang, Malaysia)	**604 633 4810**
Spain (Madrid) International Access Code: *00* Country Code: *34* City Code: *91*	Online Support	***support.euro.dell.com***
	Home and Small Business	
	Technical Support	**902 100 130**
	Customer Service	**902 118 540**
	Sales	**902 118 541**
	Switchboard	**902 118 541**
	Fax	**902 118 539**
	Corporate	
	Technical Support	**902 100 130**
	Customer Service	**902 115 236**
	Switchboard	**91 722 92 00**
	Fax	**91 722 95 83**
Suriname	Online Support	***www.dell.com/sr*** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**toll-free: 156-866-686-9850** **or (512) 723-0010**
Sweden (Upplands Vasby)	Online Support	***support.euro.dell.com***
	Technical Support for XPS computers only	**77 134 03 40**
	Technical Support	**08 590 05 199**

International Access Code: *00* Country Code: *46* City Code: *8*	Relational Customer Service	**08 590 05 642**
	Home/Small Business Customer Service	**08 587 70 527**
	Employee Purchase Program (EPP) Support	**020 140 14 44**
	Technical Support Fax	**08 590 05 594**
	Sales	**08 587 705 81**
Switzerland (Geneva) International Access Code: *00* Country Code: *41* City Code: *22*	Online Support	***support.euro.dell.com*** **Tech_support_central_Europe@dell.com**
	Technical Support for XPS computers only	**0848 338 857**
	Technical Support - Home and Small Business	**0844 811 411**
	Technical Support at Home	**0848 338 860**
	Technical Support - Corporate	**0844 822 844**
	Customer Service - Home and Small Business	**0848 802 202**
	Customer Service - Corporate	**0848 821 721**
	Main	**0848 335 599**
	Fax	**022 799 01 90**
	Sales	**022 799 01 01**
Taiwan International Access Code: *002* Country Code: *886*	Online Support	***support.ap.dell.com*** ***support.ap.dell.com* /contactus**
	Technical Support - XPS computers only	**toll-free: 0080 186 3085**
	Technical Support - OptiPlex, Latitude, Inspiron, Dimension, and Electronics and Accessories	**toll-free: 0080 186 1011**
	Technical Support - Servers and Storage	**toll-free: 0080 160 1256**
	Customer Service	**toll-free: 0080 186 3066 (option 3)**
	Transaction Sales	**toll-free: 0080 165 1228**
	Corporate Sales	**toll-free: 0080 165 1227**
Thailand International Access Code: *001* Country Code: *66*	Online Support	***support.ap.dell.com***
	Technical Support - OptiPlex, Latitude, and Dell Precision	**toll-free: 1800 0060 07**
	Technical Support - PowerApp, PowerEdge, PowerConnect, and PowerVault	**toll-free: 1800 0600 09**
	Customer Service	**toll-free: 1800 006 007 (option 7)**
	24-Hour Automated Order Status Service	**toll-free: 1800 060 065**
	Corporate Sales	**toll-free: 1800 006 009**
	Transaction Sales	**toll-free: 1800 006 006**
Trinidad/Tobago	Online Support	***www.dell.com/tt*** **la-techsupport@dell.com**
	Technical Support	**toll-free: 1-866-540-3355** **or 1-888-799-5908**
	Customer Service and Sales	**toll-free: 1-800-211-7602**
Turks and Caicos Islands	Online Support	***www.dell.com/tc*** **la-techsupport@dell.com**
	Technical Support, Customer Service, Sales	**toll-free: 1-866-540-3355**

U.K. (Bracknell) International Access Code: *00* Country Code: *44* City Code: *1344*	Online Support	***support.euro.dell.com*** **dell_direct_support@dell.com**
	Customer Service Online *support.euro.dell.com/uk/en/ECare/form/home.asp*	
	Sales	
	Home and Small Business Sales	**0870 907 4000**
	Corporate/Public Sector Sales	**01344 860 456**
	Customer Service	
	Home and Small Business	**0870 906 0010**
	Corporate	**01344 373 185**
	Preferred Accounts (500-5000 employees)	**0870 906 0010**
	Global Accounts	**01344 373 186**
	Central Government	**01344 373 193**
	Local Government & Education	**01344 373 199**
	Health	**01344 373 194**
	Technical Support	
	XPS Computers Only	**0870 366 4180**
	Corporate/Preferred Accounts/PCA (1000+ employees)	**0870 908 0500**
	Other Dell Products	**0870 353 0800**
	General	
	Home and Small Business Fax	**0870 907 4006**
Uruguay	Online Support	***www.dell.com/uy*** **la-techsupport@dell.com**
	Technical Support	**toll-free: 000-413-598-2523**
	Customer Service and Sales	**toll-free: 000-413-598-2521**
U.S.A. (Austin, Texas)	Dell Services for the Deaf, Hard-of-Hearing, or Speech-Impaired	**toll-free: 1-877-DELLTTY** **(1-877-335-5889)**
	Fax	**toll-free: 1-800-727-8320**
	Technical Support	**support.dell.com**
	XPS	**toll-free: 1-800-232-8544**
	Home and Home Office	**toll-free: 1-800-624-9896**
	Portable and Desktop AutoTech	**toll-free: 1-800-247-9362**
	Small Business	**toll-free: 1-800-456-3355**
	Medium and Large Business	**toll-free: 1-877-671-3355**
	State and Local Government	**toll-free: 1-800-981-3355**
	Federal Government	**toll-free: 1-800-727-1100**
	Healthcare	**toll-free: 1-800-274-1550**
	K-12 Education	**toll-free: 1-888-977-3355**
	Higher Education	**toll-free: 1-800-274-7799**
	Printers, Projectors, PDAs, and MP3 Players	**toll-free: 1-877-459-7298**

International Access Code: *011* Country Code: *1*	Customer Service	**toll-free: 1-800-624-9897**
	Automated Order Status	**toll-free: 1-800-433-9014**
	Small Business	**toll-free: 1-800-456-3355**
	Medium and Large Business	**toll-free: 1-877-671-3355**
	State and Local Government	**toll-free: 1-800-981-3355**
	Federal Government	**toll-free: 1-800-727-1100**
	Healthcare	**toll-free: 1-800-274-1550**
	K-12 Education	**toll-free: 1-888-977-3355**
	Higher Education	**toll-free: 1-800-274-7799**
	Employee Purchase Program (EPP)	**toll-free: 1-800-695-8133**
	Financial Services	***www.dellfinancialservices.com***
	Leases and Loans	**toll-free: 1-877-577-3355**
	Dell Preferred Accounts (DPA)	**toll-free: 1-800-283-2210**
	Sales	**1-800-289-3355 or 1-800-879-3355**
	Dell Outlet Store	**toll-free: 1-888-798-7561**
	Software and Peripherals Sales	**toll-free: 1-800-671-3355**
U.S. Virgin Islands	Online Support	**www.dell.com/vi** **la-techsupport@dell.com**
	Technical Support	**toll-free: 1-877-702-4360**
	Customer Service and Sales	**toll-free: 1-877-702-4288**
Venezuela	Online Support	***www.dell.com/ve*** **la-techsupport@dell.com**
	Technical Support	**0800-100-2513**
	Customer Service and Sales	**0800-100-4752**

Your Monitor Set-up Guide

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Setup Guide (.pdf) (23.1 MB)

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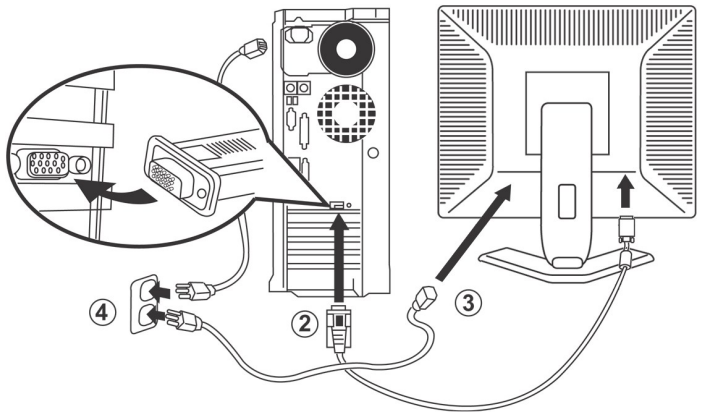
Setting Up Your Monitor

Dell™ E178WFP Flat Panel Monitor User's Guide

- Connecting Your Monitor
- Using the Front Panel Buttons
- Using the OSD
- Using the Dell™ Soundbar (Optional)

Connecting Your Monitor

CAUTION: Before you begin any of the procedures in this section, see the Safety Instructions.

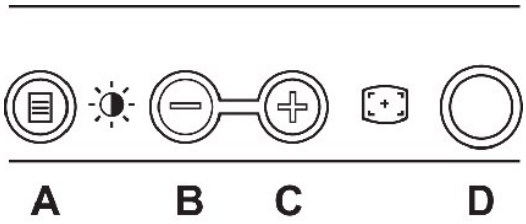


1. Turn off your computer and unplug its power cable.
2. Connect the blue (analog D-sub) display connector cable to the corresponding video port on the back of your computer. (The graphic is for illustration only. System appearance may vary).
3. Connect the power cable for your display to the power port on the back of the display.
4. Plug the power cables of your computer and your display into a nearby outlet. Your monitor is equipped with an automatic power supply for a voltage range from 100 to 240 Volt at a frequency of 50/60 Hz. Be sure that your local power is within the supported range. If you are unsure, ask your electricity supplier.
5. Turn on your display and computer.

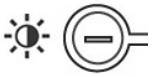
If your monitor displays an image, installation is complete. If it does not display an image, see Troubleshooting.

Using the Front Panel Buttons

Use the control buttons on the front of the monitor to adjust the characteristics of the image being displayed. As you use these buttons to adjust the controls, an OSD shows their numeric values as they change.



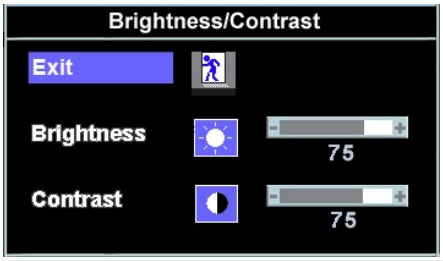
The following table describes the front panel buttons:

A	**MENU**	The 'MENU' button is used to open the on-screen display (OSD), select function icons, exit from menus and sub-menus, and to ex Accessing the Menu System.
B		Use this button for direct access to the 'Brightness' and 'Contrast' control menu.

	Brightness/Contrast Hot Key	
B C	**- and + buttons**	Use these buttons to adjust (decrease/increase ranges) items in the OSD. **NOTE**: You can activate automatic scroll feature by pressing and holding either + or - button.
C	**Auto Adjust**	Use this button to activate automatic setup and adjustment. The following dialog will appear on screen as the monitor self-adjus input: Auto adjustment In Progress Auto Adjustment button allows the monitor to self-adjust to the incoming video signal. After using 'Auto Adjustment', you can monitor by using the 'Pixel Clock' and 'Phase' controls in the OSD. **NOTE**: Auto Adjust will not occur if you press the button while there are no active video input signals, or attached cables.
D	**Power Button & Indicator**	The green LED indicates the monitor is on and fully functional. An amber LED indicates DPMS power save mode. The Power button turns the monitor on and off.

On Screen Menu / Display (OSD)

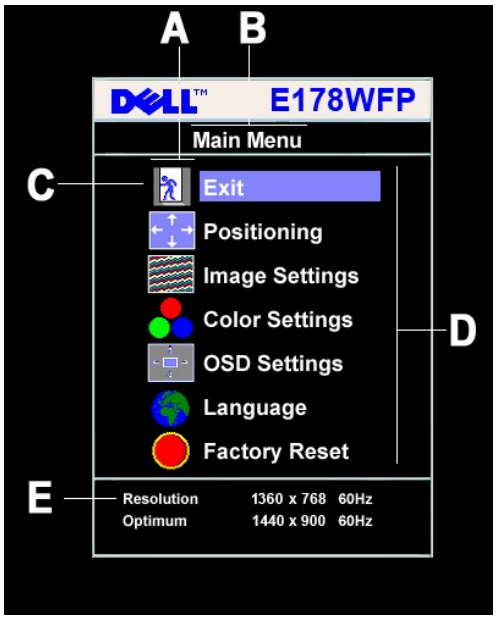
Direct-Access Functions

Function	**Adjustment Method**
Auto adjustment	Use this button to activate automatic setup and adjustment. The following dialog will appear on screen as the monitor self-adjusts to the current input: Auto adjustment In Progress Auto Adjustment button allows the monitor to self-adjust to the incoming video signal. After using 'Auto Adjustment', you can further tune your monitor by using the 'Pixel Clock' and 'Phase' controls in the OSD. **NOTE**: Auto Adjust will not occur if you press the button while there are no active video input signals, or attached cables.
Brightness / Contrast 	With the menu off, press button to display the 'Brightness' and 'Contrast' adjustment menu. The 'Brightness' function adjusts the luminance of the flat panel. Adjust 'Brightness' first, then adjust 'Contrast' only if further adjustment is necessary. "+" increase 'brightness' " - "decrease 'brightness' The 'Contrast' function adjusts the degree of difference between darkness and lightness on the display screen. "+" increase the 'contrast' "-" decrease the 'contrast'

Using the OSD

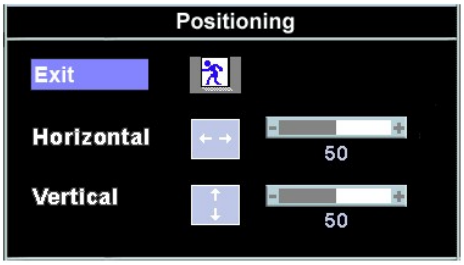
Accessing the Menu System

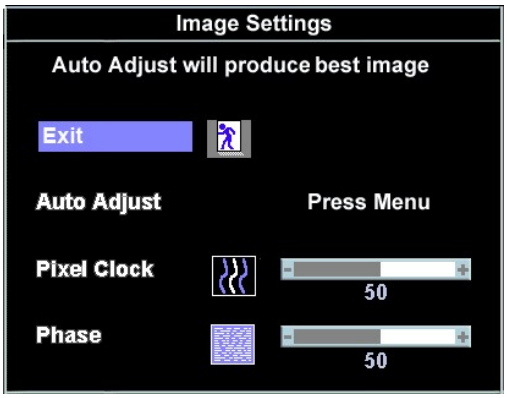
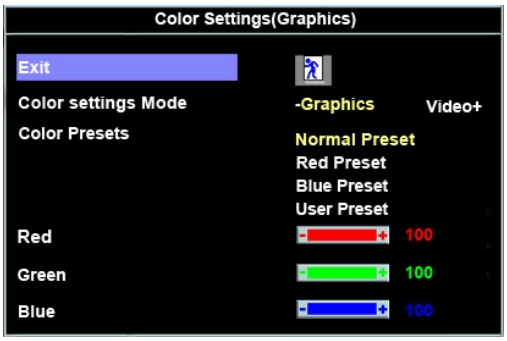
1. With the menu off, press the **MENU** button to open the OSD system and display the main features menu.

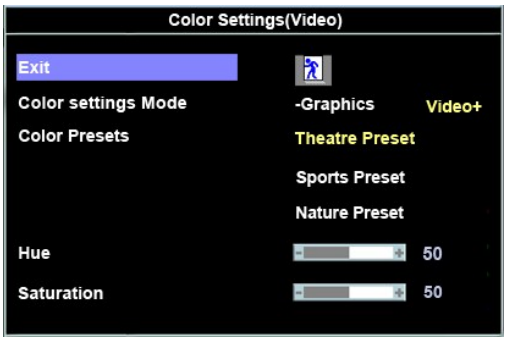


A Function icons **B** Main Menu **C** Menu icon
D Sub-Menu name **E** Resolution

2. Press the - and + buttons to move between the function icons. As you move from one icon to another, the function name is highlighted to reflect the function or group of functions (sub-menus) represented by that icon. See the table below for a complete list of all the functions available for the monitor.
3. Press the **MENU** button once to activate the highlighted function. Press -/+ to select the desired parameter, press menu to enter the slidebar then use the - and + buttons, according to the indicators on the menu, to make your changes.
4. Press the **MENU** button once to return to the main menu to select another function or press the **MENU** button two or three times to exit from the OSD.

Icon	Menu Name and Sub-menus	Description
	EXIT	This is used to exit out of the Main Menu.
	Positioning: **Horizontal** **Vertical**	'Positioning' moves the viewing area around on the monitor screen. When making changes to either the **Horizontal** or **Vertical** settings, no changes occur to the size of the viewing area; the image gets shifted based on what you select. Minimum is '0' (-). Maximum is '100' (+). 
	Image settings:	
	Auto Adjust	Even though your computer system can recognize your new flat panel monitor on startup, the 'Auto Adjustment' function will optimize the display settings for use with your particular setup. **NOTE**: In most cases, 'Auto Adjust' produces the best image for your configuration; you can directly access this function via Auto Adjustment hotkey.
	Pixel Clock	The **Phase** and **Pixel Clock** adjustments allow you to more closely adjust your monitor to your preference. Select **Image Settings** in the main OSD to access these settings. Use the - and + buttons to adjust interference. Minimum: 0 ~ Maximum: 100

	Phase	If satisfactory results are not obtained using the **Phase** adjustment, use the **Pixel Clock** adjustment and then use **Phase** again.  **NOTE**: This function may change the width of the display image. Use the 'Horizontal' function of the 'Position' menu to center the display image on the screen.
	Color Settings:	Adjusts the color temperature and saturation. 
		Color Settings adjust the color temperature.
		Color Settings has the following options: Color Management :
		Color Settings Mode : You can choose between a Graphics and a Video mode. If your computer is connected to your monitor, choose Video.
		Color Presets: You can choose different color presets for different viewing modes. As soon as choose Graphics,you can choose Normal Preset, Red Preset,Blue Preset or User Preset. Select Red Preset for a warm color. Select Blue Preset for a cool color. You can adjust the monitor color using User Preset, R, G, B.Normal Preset mean color temperature 6500K. Select Blue Preset for a bluish tint. This color setting is used for text based applications (spreadsheets, programming, text editors, etc.). Select Red Preset for a reddish tint.This color setting is used for color-intensive applications (photograph image editing, multimedia, movies, etc.). Select Normal Preset for default color settings. This setting is also the "sRGB" standard default color space. User Preset: Use the plus and minus buttons to increase or decrease each of the three colors (R, G, B) independently, in single digit increments, from 0 to 100. There are three video modes:Theater Preset ,Sports Preset, Nature Preset.



Select Theater Preset for playing a movie.

Select Sports Preset for viewing sports.

Select Nature Preset for general viewing. For general picture or web or watch TV, choose Nature Preset.

User can adjust the Hue(Tint)/Saturation based on the preference.

NOTE: 'Color temperature' is a measure of the 'warmth' of the image colors (red/green/blue). The two available presets ('Blue' and 'Red') favor blue and red accordingly. Select each one to see how each range suits your eye; or utilize the 'User Preset' option to customize the color settings to your exact choice.

OSD Settings: Each time the OSD opens, it displays in the same location on the screen. 'OSD Settings' (horizontal/vertical) provides control over this location.

Horizontal Position **-** and + buttons move OSD to the left and right.

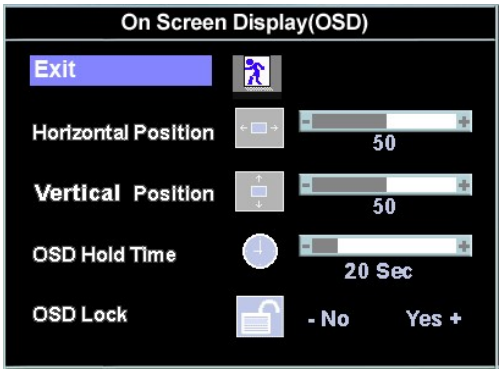
Vertical Position **-** and + buttons move OSD down and up.

OSD Hold Time: The OSD stays active for as long as it is in use.
'OSD Hold Time': Sets the length of time the OSD will remain active after the last time you pressed a button.
Use the **-** and + buttons to adjust the slider in 5 second increments, from 5 to 60 seconds.

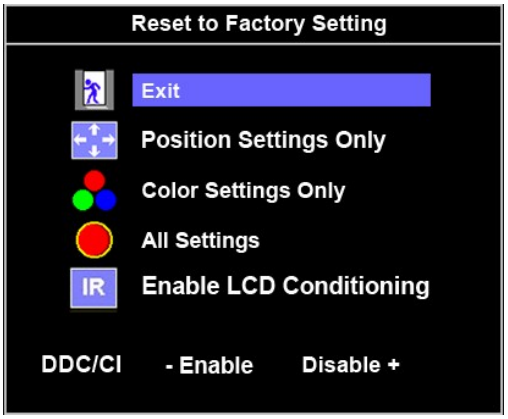
NOTE: Default 'OSD hold time' is 20 seconds.

OSD Lock Controls user access to adjustments. When 'Yes' (+) is selected, no user adjustments are allowed. All buttons, except Menu, are locked.

All buttons can be locked or unlocked. Press the 'Menu' button for over 15 seconds to unlock the OSD menu.



NOTE: When the OSD is locked, pressing the 'Menu' button will take the user directly to the 'OSD settings' menu, with 'OSD Lock' preselected on entry. Select 'No'(-) to unlock and allow user access to all applicable settings.

	Language:	Language sets the OSD to display in one of the five languages (English, Español, Français, Deutsch, Japanese). **NOTE**: The language chosen affects only the language of the OSD. It has no effect on any software running on the computer.
	Factory Reset:	**Factory Reset** returns the settings to the factory preset values for the selected group of functions.  **Exit** is used to exit out of **Factory Reset** menu. For **All settings**, all user adjustable settings are reset at one time except **Language settings**. **IR** — This feature helps reduce minor cases of image retention. **Enable LCD Conditioning:** If an image appears to be stuck on the monitor, select **LCD Conditioning** to help eliminate any image retention. Using the LCD Conditioning feature may take several hours. Severe cases of image retention are known as burn-in, the LCD Conditioning feature does not remove burn-in. **NOTE:** Use LCD Conditioning only when you experience a problem with image retention. Below warning message appears when you selects "Enable LCD Conditioning": **NOTE:** Press any button on the monitor to terminate LCD Conditioning at any time. **DDC/CI** (Display Data Channel/Command Interface) allows you to adjust the monitor parameters (brightness, color, balance, etc.) via software applications on your PC. Select **Disable** to disable this feature. For best user experience and optimum performance of your monitor, keep this feature enabled.

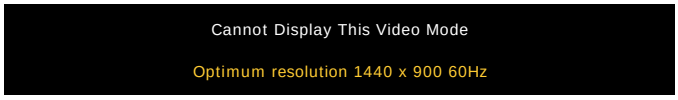
NOTE:If you select 'disable' for DDC/CI,the warning message appears on screen.You can select Yes or No according to need.

Automatic Save

With the OSD open, if you make an adjustment and then either proceed to another menu, or exit the OSD, the monitor automatically saves any adjustments you have made. If you make an adjustment and then wait for the OSD to disappear the adjustment will also be saved.

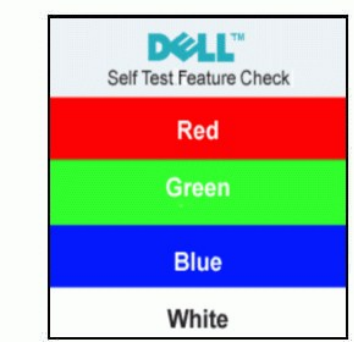
OSD Warning Messages

A warning message may appear on the screen indicating that the monitor is out of sync.



This means that the monitor cannot synchronize with the signal that it is receiving from the computer. Either the signal is too high or too low for the monitor to use. See Specifications for the Horizontal and Vertical frequency ranges addressable by this monitor. Recommended mode is 1440 X 900 @ 60Hz.

NOTE: The floating 'Dell - self-test Feature Check' dialog appears on the screen if the monitor cannot sense a video signal.



Occasionally, no warning message appears, but the screen is blank. This could also indicate that the monitor is not synchronizing with the computer.

See Troubleshooting for more information.

Using the Dell™ Soundbar (Optional)

The Dell Soundbar is a stereo two channel system adaptable to mount on Dell Flat Panel Displays. The Soundbar has a rotary volume and on/off control to adjust the overall system level, a blue LED for power indication, and two audio headset jacks.

1. Headphone connectors
2. Power indicator
3. Power/Volume control

Soundbar Attachment to the Monitor

1. Working from the rear of the monitor, attach the Soundbar aligning the two slots with the two tabs along the bottom rear of the monitor.
2. Slide the Soundbar to the left until it snaps into place.
3. Connect the Soundbar with the power brick.
4. Plug the power cables of the power brick into a nearby outlet.
5. Insert the lime-green mini stereo plug from the rear of the Soundbar into the computer's audio output jack.

NOTICE: Do not use with any device other than Dell Soundbar.

NOTE: Soundbar Power Connector - 12V DC output is for optional Dell Soundbar only.

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Product Specific Problems

Dell™ E178WFP Flat Panel Monitor User's Guide

- Monitor Specific Troubleshooting
- Common Problems
- Product Specific Problems

CAUTION: Before you begin any of the procedures in this section, follow the Safety Instructions.

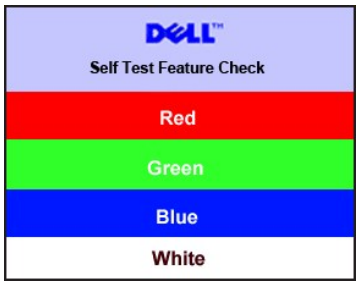
Monitor Specific Troubleshooting

Self-Test Feature Check (STFC)

Your monitor provides a self-test feature that allows you to check whether your monitor is functioning properly. If your monitor and computer are properly connected but the monitor screen remains dark, run the monitor self-test by performing the following steps:

1. Turn off both your computer and the monitor.
2. Unplug the video cable from the back of the computer. To ensure proper Self-Test operation, remove the Analog (blue connector) cables from the back of computer.
3. Turn on the monitor.

The floating 'Dell™ - Self-Test Feature Check' dialog box should appear on-screen (against a black background) if the monitor cannot sense a video signal and is working correctly. While in self-test mode, the power LED remains green. Also, depending upon the selected input, one of the dialogs shown below will continuously scroll through the screen.



4. This box also appears during normal system operation if the video cable becomes disconnected or damaged.
5. Turn off your monitor and reconnect the video cable; then turn on both your computer and the monitor.

If your monitor screen remains blank after you use the previous procedure, check your video controller and computer system; your monitor is functioning properly.

OSD Warning Messages

For OSD-related issues, see OSD Warning Messages

Common Problems

The following table contains general information about common monitor problems you might encounter.

COMMON SYMPTOMS	WHAT YOU EXPERIENCE	POSSIBLE SOLUTIONS
No Video/ Power LED off	No picture, monitor is dead	ı Check connection integrity at both ends of the video cable ı Electric outlet verification ı Ensure power button depressed fully
No Video/ Power LED on	No picture or no brightness	ı Increase brightness & contrast controls ı Perform monitor self-test feature check ı Check for bent or broken pins
Poor Focus	Picture is fuzzy, blurry or ghosting	ı Press Auto Adjust button ı Adjust Phase and Clock controls through OSD ı Eliminate video extension cables ı Perform monitor reset ı Lower video resolution or increase font size
Shaky/Jittery Video	Wavy picture or fine movement	ı Press Auto Adjust button

		ı Adjust Phase and Clock controls through OSD ı Perform monitor reset ı Check environmental factors ı Relocate and test in another room
Missing Pixels	LCD screen has spots	ı Cycle power on-off ı These are pixels that are permanently off and is a natural defect that occurs in LCD technology
Stuck-on Pixels	LCD screen has bright spots	ı Cycle power on-off ı These are pixels that are permanently on and is a natural defect that occurs in LCD technology
Brightness Problems	Picture too dim or too bright	ı Perform monitor reset on "All Settings" ı Press Auto Adjust button ı Adjust brightness & contrast controls
Geometric Distortion	Screen not centered correctly	ı Perform monitor reset on "Position Settings Only" ı Press auto-adjust button ı Adjust the centering controls ı Ensure monitor is in proper video mode
Horizontal/Vertical Lines	Screen has one or more lines	ı Perform monitor reset on "All Settings" ı Press Auto Adjust button ı Adjust Phase and Clock controls via OSD ı Perform monitor self-test feature check and determine if these lines are also in self-test mode ı Check for bent or broken pins
Sync Problems	Screen is scrambled or appears torn	ı Perform monitor reset on "All Settings" ı Press Auto Adjust button ı Adjust Phase and Clock controls via OSD ı Perform monitor self-test feature check to determine if scrambled screen appears in self-test mode ı Check for bent or broken pins ı Boot up in the "safe mode"
LCD Scratched	Screen has scratches or smudges	ı Turn monitor off and clean the screen ı For cleaning instruction, see Caring for your Monitor.
Safety Related Issues	Visible signs of smoke or sparks	ı Do not perform any troubleshooting steps ı Monitor needs to be replaced
Intermittent Problems	Monitor malfunctions on & off	ı Ensure monitor is in proper video mode ı Ensure video cable connection to computer and to the flat panel is secure ı Perform monitor reset on "All Settings" ı Perform monitor self-test feature check to determine if the intermittent problem occurs in self-test mode
Missing Color	Picture missing color	ı Perform monitor self-test feature check ı Check connection integrity at both ends of the video cable ı Check for bent or broken pins
Wrong Color	Picture color not good	ı Change the color to "User Preset" ı Adjust R/G/B value of "User Preset"
Image Retention (from a static image)	Faint Shadow from the static image displayed appears on the screen	ı Use the Power Management feature to turn off the monitor at all times when not in use. Alternatively, use a dynamically changing screensaver left on the monitor for a long period of time. ı In OSD Menu, under Reset to Factory Settings, select **Enable LCD Conditioning.** Using this option may take several hours before the image is eliminated. **NOTE:** Image Burn-in is not covered by your warranty.

Product Specific Problems

SPECIFIC SYMPTOMS	WHAT YOU EXPERIENCE	POSSIBLE SOLUTIONS
Screen image is too small	Image is centered on screen, but does not fill entire viewing area	ı Perform monitor reset on "All Settings"
Cannot adjust the monitor with the buttons on the front panel	OSD does not appear on the screen	ı Turn the monitor off and unplug the power cord and then plug back and power on
The monitor will not go into power saving mode.	No picture, the LED light is green. When press "+", "-" or "Menu" key, the message " No input signal " will appear.	ı Move mouse or hit any key on the keyboard on the computer or activate video player, then access the OSD to set both Audio/Video to " off " state.

No Input Signal when user controls pressed	No picture, the LED light is green. When press "+", "-" or "Menu" key, the message " No input signal " will appear.	• Check the signal source Make sure the Computer is not in power saving by moving mouse or pressing any key on the keyboard. • Check whether the signal cable is plugged in and seated properly. Re-plug the signal cable if necessary. • Re-boot the computer or video player.
OSD Lock	All buttons are locked except the "menu" button. No user adjustments are allowed.	• Press the "menu" button for over 15 seconds to unlock the OSD menu.

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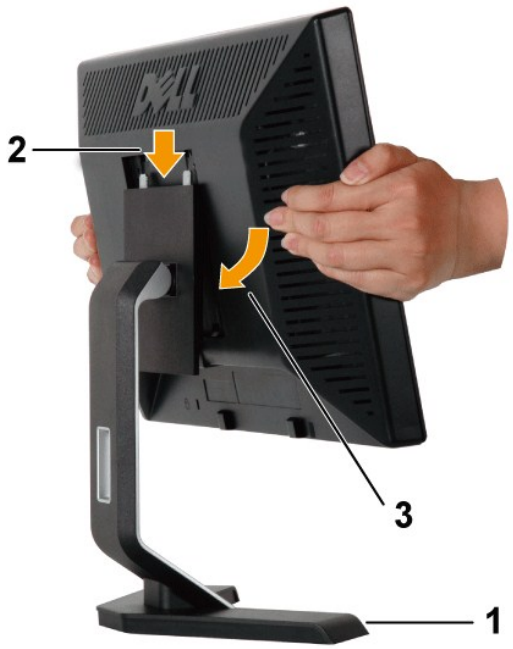
Using Your Monitor Stand

Dell™ E178WFP Flat Panel Monitor User's Guide

- Attaching the Stand
- Organizing Your Cables
- Using the Tilt
- Removing the Stand

Attaching the Stand

NOTE: Stand is detached when the monitor is shipped from the factory.



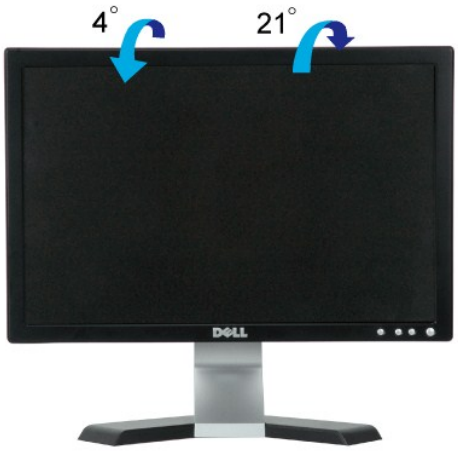
1. Place the stand on a flat surface.
2. Fit the groove on the back of the monitor onto the two teeth of the upper stand.
3. Lower the monitor so that the monitor mounting area snaps on/locks to the stand.

Organizing Your Cables

After attaching all necessary cables to your monitor and computer, (See Connecting Your Monitor for cable attachment,) use the cable holder to neatly organize all cables as shown above.

Using the Tilt

With the built-in pedestal, you can tilt the monitor to best suit your viewing needs.



Removing the Stand

After placing the monitor panel on a soft cloth or cushion, press and hold the LCD removal button, and then remove the stand.

NOTE: To prevent scratches on the LCD screen while removing the stand, ensure that the monitor is placed on a clean surface.

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